

WHAT IS CLAIMED IS:

1. An information recording method comprising the steps of:

applying a predetermined processing to record information divided into error correction units and generating processed record information comprising a plurality of record units;

recording the processed record information on an information record medium; and

recording, after the recording of the processed record information, predetermined dummy information for an information amount corresponding to the plurality of record units, on the information record medium, subsequent to the processed record information recorded.

2. A method according to claim 1, further comprising the step of overwriting dummy information comprising the steps of:

detecting a head position of an old dummy information previously recorded on said information record medium;

recording new dummy information on said information record medium, based on the detected head position, such that a total information amount of the old dummy information after the recording of the new dummy information and the new dummy information recorded is no more than an information amount of one error correction unit.

3. A method according to claim 2, wherein said processed record information recording step further comprising the step of recording new record information on said information recording medium from a position subsequent to the new dummy information recorded.

4. A method according to claim 2, wherein said dummy information recording step records the new dummy information over a part of the old dummy information previously recorded.

5. A method according to claim 1, wherein said processed record information recording step comprising the steps of:

detecting a head position of the dummy information previously recorded on said information

record medium;

determining a recording start position from which new record information is recorded on the basis of the detected head position of the dummy information and an information amount in a single error correction block which is a minimum information unit of error correction;

calculating an information removal amount corresponding to an information capacity in an area from the head position to the recording start position;

removing the record information corresponding to the calculated removal amount from a head of the record information to be recorded so as to produce an actual record information; and

recording the actual record information from the recording start position onto said information recording medium.

6. A method according to claim 5, wherein said recording start position determining step determines the recording start position within an area where the dummy information is previously recorded.

7. An information recording apparatus comprising:

means for applying a predetermined processing to record information divided into error correction units and generating processed record information comprising a plurality of record units;

means for recording the processed record information on an information record medium; and

means for recording, after the recording of the processed record information, predetermined dummy information of an information amount corresponding for the plurality of record units, on said information record medium, subsequent to the processed record information recorded.

8. An apparatus according to claim 7, further comprising means for overwriting dummy information comprising:

means for detecting a head position of an old dummy information previously recorded on said information record medium; and

means for recording new dummy information on said information record medium, based on the detected head position, such that a total information amount

of the old dummy information after the recording of the new dummy information and the new dummy information recorded is no more than an information amount of one error correction unit.

9. An apparatus according to claim 8, wherein said processed record information recording means further comprising means for recording new record information on said information recording medium from a position subsequent to the new dummy information recorded.

10. An apparatus according to claim 7, wherein said dummy information recording means records the new dummy information over a part of the old dummy information previously recorded.

11. An apparatus according to claim 7, wherein said processed record information recording means comprising:

- means for detecting a head position of the dummy information previously recorded on said information record medium;

- means for determining a recording start position from which the new record information is recorded on the basis of the detected head position of the dummy information and an information amount in a single error correction block which is a minimum information unit of error correction;

- means for calculating an information removal amount corresponding to an information capacity in an area from the head position to the recording start position;

- means for removing the record information corresponding to the calculated removal amount from a head of the record information to produce an actual record information; and

- means for recording the actual record information from the recording start position onto said information recording medium.

12. An apparatus according to claim 11, wherein said recording start position determining means determines the recording start position within an area where the dummy information is previously recorded.